



South Coast Air Quality Management District

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Air Quality Monitoring Data for Hexavalent Chromium in Western Riverside and San Bernardino Counties

2/12/08 - 5/6/08

The following table includes the latest PM hexavalent chromium data from the AQMD air monitoring study in Western Riverside and San Bernardino Counties. This table will be updated periodically as new validated data is produced. A map is also included showing the locations of the monitoring sites.

Site 6 was added to assess the impact of the California Portland Cement facility on the nearby community. Due to limited equipment resources, the sampling device previously located at Site 3 was moved to Site 7 on 4/15/08. Sites 8 and 9 will be installed using equipment on loan from California Air Resources Board, and more sites may be added as additional sampling equipment becomes available.

WESTERN RIVERSIDE HEXAVALENT CHROMIUM SAMPLING RESULTS

24-hour Cr⁶⁺ concentrations in nanograms per cubic meter (ng/m³) by CARB method 039

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10
2/12/2008	NS	NS	0.71	0.85	0.27					
2/13/2008	3.31	0.92	0.25	0.30	0.54					
2/14/2008	0.35	0.23	0.71	0.44	0.07					
2/15/2008	2.73	0.84	0.25	0.30	0.10					
2/16/2008	3.83	1.58	0.29	0.37	0.31					
2/17/2008	2.53	0.46	0.92	0.27	0.28					
2/18/2008	1.69	0.91	0.15	0.20	0.18					
2/19/2008	1.33	NS	0.16	0.25	0.05					
2/20/2008	1.40	NS	0.13	0.18	0.06					
2/21/2008	1.79	0.31	0.19	0.26	0.15					
2/24/2008	4.79	0.28	0.14	0.23	NS					
2/27/2008	5.97	2.01	0.58	0.45	0.54					
3/1/2008	5.50	0.06	0.23	0.15	0.06					
3/4/2008	6.78	4.87	NS	0.58	0.68					
3/7/2008	0.24	1.43	0.71	0.44	0.45					
3/10/2008	1.72	0.21	0.76	0.27	0.33					
3/13/2008	2.71	0.96	0.26	0.14	0.24					
3/16/2008	1.80	0.21	0.21	0.06	0.33					
3/19/2008	1.73	NS	0.20	0.23	0.31	0.79				
3/22/2008	2.00	2.62	0.37	0.55	0.87	0.35				
3/25/2008	2.29	2.39	0.31	0.60	0.62	NS				
3/28/2008	1.90	0.68	0.21	0.31	0.09	0.82				
3/31/2008	2.03	0.14	0.13	0.23	0.13	0.7				
4/3/2008	0.72	0.01	0.05	0.18	0.06	0.92				
4/6/2008	0.83	NS	0.02	0.03	0.03	0.37				
4/9/2008	0.90	0.18	0.06	0.11	NS	0.53				
4/12/2008	0.65	NS	0.16	0.45	0.34	0.09				
4/15/2008	0.86	NS	NS	0.15	0.05	NS				
4/17/2008	NS	NS	Moved to Site 7	NS	NS	NS	0.41			
4/18/2008	2.37	NS		NS	NS	NS	0.36			
4/20/2008	1.07	NS		NS	NS	NS	0.23			
4/21/2008	1.07	0.10		0.07	0.05	0.27	0.18			
4/24/2008	2.32	0.16		0.15	0.04	0.44	0.22			
4/27/2008	0.15	0.20		NS	0.08	0.06	0.12			
4/30/2008	0.17	0.12		0.18	0.03	0.16	0.10			
5/3/2008	0.14	0.31		0.09	0.13	0.09	0.08			
5/6/2008	0.65	0.05		NS	0.04	0.09	0.10			
Average	2.01	0.82	0.31	0.28	0.24	0.41	0.20			0.05
NS: No Sample due to instrument malfunction, site accessibility or scheduling conflicts										
								Installation Pending	Installation Pending	0.07 0.02

Sampling Locations for Hexavalent Chromium in Western Riverside

